

**Warm Up 2**

1. collinear
2.  $x = -\frac{11}{3}$
3.  $13x - 37$

**Lesson Practice 2**

- a. Symmetric Property of Congruence
- b. 7
- c.  $x^2 + x + 10$
- d. 405.5 miles

## Practice 2

- $\overline{AB} \cong \overline{EF}$
- 5.7
- Commutative Property of Addition
- C
- 10
- 14
- 10
- 2
- 83
- 59
- Quadrant IV
- 6
- $8x - 15$
- 15 yards
- The points must be noncollinear; Sample: Sunil could say, "Three noncollinear points determine a unique plane."
- $x = 10; y = 7$
- $EF = 38, DF = 53$
- The lengths of the line segments are equal (ie, the value of the length) and the segments themselves are congruent.
- coplanar
- 2 points
- C
- $M, N, \text{ and } E; P, Q, \text{ and } E$
- $2(x - 11)(x + 3)$
- $x^2 + 3x - 28$
- $\frac{2}{3}$  foot
- $-\frac{3y^8}{x^6}$
- approximately \$3.00
- approximately 18
- approximately 12,468 gallons
- approximately  $32.15 \text{ ft/s}^2$